

IDS-04/09/2004

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12610-003002	Application No. 10/821,653
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Paul D. Coleman <i>et al.</i>	
		Filing Date Herewith 6/9/2004	Group Art Unit 1636

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
JD	AA	5,225,326	07/06/93	Besser <i>et al.</i>			
	AB	5,514,545	05/07/96	Eberwine			
	AC	5,563,033	10/08/96	Lawrence <i>et al.</i>			
	AD	5,631,147	05/20/97	Lohman <i>et al.</i>			
	AE	5,665,549	09/09/97	Pinkel <i>et al.</i>			
	AF	5,015,570	05/14/91	Scangos <i>et al.</i>			
	AG	5,538,869	07/23/96	Siciliano <i>et al.</i>			
	AH	4,888,278	12/19/89	Singer <i>et al.</i>			
	AI	5,523,204	06/04/96	Singer <i>et al.</i>			
	AJ	5,021,335	06/04/91	Teacott <i>et al.</i>			
	AK	5,168,038	12/01/92	Teacott <i>et al.</i>			
JD	AL	5,695,932	12/09/97	West <i>et al.</i>			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
JD	AM	Crino <i>et al.</i> , "Embryonic Neuronal Markers in Tuberous Sclerosis: Single-Cell Molecular Pathology," <i>Proc. Natl. Acad. Sci. USA</i> , 93:14152-14157, 1996.
JD	AN	Eberwine <i>et al.</i> , "Analysis of Gene Expression in Single Live Neurons," <i>Proc. Natl. Acad. Sci. USA</i> , 89:3010-3014, 1992.

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12610-003002	Application No. 09/770,534 10/821,653
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Paul D. Coleman et al.	
		Filing Date 6/9/2004 January 25, 2001	Group Art Unit 1636

U.S. Patent Documents							
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JD	AA	6,287,793	09/11/01	Schenk et al.			
	AB						
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	AK						

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	AO							
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ATTORNEY DOCKET NO. 21108.0060U4
APPLICATION NO. 10/821,653
SHEET 1 OF 12

INFORMATION DISCLOSURE STATEMENT LIST				Complete if Known			
(Use as many sheets as necessary)				Application No.	10/821,653		
				Filing Date	April 9, 2004		
				First Named Inventor	Coleman <i>et al.</i>		
				Group Art Unit	Unassigned 1636		
				Examiner Name	Unassigned J. Dunston		

U.S. PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JD	A1	6,500,938	12/31/02	Au-Young <i>et al.</i>	536	023.1	
	A2	6,287,793	09/11/01	Schenk <i>et al.</i>	435	007.1	Duplicate Citation
JD	A3	6,238,892	05/29/01	Mercken <i>et al.</i>	435	007.1	
	A4	6,190,857	02/20/01	Ralph <i>et al.</i>	495	004	
	A5	5,952,481	09/14/99	Markham <i>et al.</i>	536	023.2	
	A6	5,811,310	09/22/98	Ghanbari <i>et al.</i>	496	548	
	A7	5,695,932	12/09/97	West <i>et al.</i>	435	006	
	A8	5,665,549	09/09/97	Pinkel <i>et al.</i>	435	006	
	A9	5,631,147	05/20/97	Lohman <i>et al.</i>	435	001.2	
	A10	5,563,033	10/08/96	Lawrence <i>et al.</i>	435	006	
JD	A11	5,538,869	07/23/96	Sicilano <i>et al.</i>	435	091.2	
	A12	5,523,204	06/04/96	Singer <i>et al.</i>	435	006	
	A13	5,514,545	05/07/96	Eberwine	435	000	Duplicate Citation
JD	A14	5,225,326	07/06/93	Besser <i>et al.</i>	435	006	
	A15	5,168,038	12/01/92	Teacott <i>et al.</i>	435	006	
	A16	5,021,335	06/04/91	Singer <i>et al.</i>	435	006	
	A17	5,015,570	05/14/91	Scandos <i>et al.</i>	435	006	
JD	A18	4,888,278	2/19/89	Singer <i>et al.</i>	435	006	

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NON-PATENT DOCUMENTS		
Examiner's Initials	Cite No.	Non-Patent Citations (Include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
JD	A19	Abraham <i>et al.</i> , "Immunochemical Identification of the Serine Protease Inhibitor α_1 -Antichymotrypsin in the Brain Amyloid Deposits of Alzheimer's Disease," <i>Cell</i> , 52:487-501 (1988)
	A20	Aksenova <i>et al.</i> , "The Decreased Level of Casein Kinase 2 in Brain Cortex of Schizophrenic and Alzheimer's Disease Patients," <i>FEBS Lett.</i> , 279:55-57 (1992)
	A21	Allen <i>et al.</i> , "Alzheimer's Disease: β -Amyloid Precursor Protein mRNA Expression in Mononuclear Blood Cells," <i>Neurosci. Lett.</i> , Oct 28;132(1):109-12 (1991)
JD	A22	Alonso <i>et al.</i> , "Role of Abnormally Phosphorylated Tau in the Breakdown of Microtubules in Alzheimer Disease," <i>Proc. Nat'l Acad. Sci. U.S.A.</i> , 91(12):5562-6 (1994)

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		Group Art Unit	Unassigned 1636
Examiner Name	Unassigned J. Dunston		
JD	A23	Anderson <i>et al.</i> , "An Alternative Secretase Cleavage Produces Soluble Alzheimer Amyloid Precursor Protein Containing a Potentially Amyloidogenic Sequence," J. Neurochem., 59:2328-31 (1992)	
	A24	Anderson <i>et al.</i> , "DNA Damage and Apoptosis in Alzheimer's Disease: Colocalization with C-Jun Immunoreactivity, Relationship to Brain Area, and Effect of Postmortem Delay," J. Neurosci., 16:1710-9 (1996)	
	A25	Angerer <i>et al.</i> , "Localization of mRNAs by in Situ Hybridization," Methods Cell Biol., 35:37-71 (1991)	
	A26	Arendt <i>et al.</i> , "Expression of the Cyclin-Dependent Kinase Inhibitor p16 in Alzheimer's Disease," Neuroreport, 7(18):3047-9 (1996)	
	A27	Arriagada <i>et al.</i> , "Neurofibrillary Tangles but Not Senile Plaques Parallel Duration and Severity of Alzheimer's Disease," Neurology, 42:631-639 (1992)	
	A28	Barton <i>et al.</i> , "Increased Tau Messenger RNA in Alzheimer's Disease Hippocampus," Amer. J. Path., 137:497-502 (1990)	
	A29	Baumann <i>et al.</i> , "Abnormal Alzheimer-Like Phosphorylation of Tau-Protein By Cyclin-Dependent Kinases cdk2 and cdk5," FEBS Lett., 336:417-424 (1993)	
	A30	Behl <i>et al.</i> , "Amyloid β Peptide Induces Necrosis Rather Than Apoptosis," Brain Res., 645:253-64 (1994)	
	A31	Bierer <i>et al.</i> , "Neocortical Neurofibrillary Tangles Correlate With Dementia Severity in Alzheimer's Disease," Arch. Neurol., 52(1):81-8 (1995)	
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	A36	Braak <i>et al.</i> , "A Sequence of Cytoskeleton Changes Related to the Formation of Neurofibrillary Tangles and Neuropil Threads," Acta Neuropathologica, 87:554-67 (1994)	
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V	A39	Burke <i>et al.</i> , "Evidence for Decreased Transport of Tryptophan Hydroxylase in Advanced Alzheimer's Disease," Brain Res., 537:83-87 (1990)	
JD	A40	Callahan <i>et al.</i> , "Neurons Bearing Neurofibrillary Tangles Are Responsible for Selected Synaptic Deficits in Alzheimer's Disease," Neurobio. Aging, 16:311-314 (1995)	

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JD	A41	Callahan <i>et al.</i> , "Preliminary Evidence: Decreased GAP-43 Message in Tangle-Bearing Neurons Relative to Tangle-Free Neurons in Alzheimer's Disease," <i>Neurobiol. Aging</i> , 15:381-6 (1994)	
	A42	Cataldo <i>et al.</i> , "Gene Expression and Cellular Content of Cathepsin D in Alzheimer's Disease Brain: Evidence For Early Up-Regulation of the Endosomal-Lysosomal System," <i>Neuron</i> , 14(3):671-80 (1995)	
	A43	Cataldo <i>et al.</i> , "Lysosomal Hydrolases of Different Classes Are Abnormally Distributed in Brains of Patients with Alzheimer Disease," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 88:10998-11002 (1991)	
	A44	Chandrasekaran <i>et al.</i> , "Impairment in Mitochondrial Cytochrome Oxidase Gene Expression in Alzheimer Disease," <i>Mol. Brain Res.</i> 24(1-4):336-40 (1994)	
	A45	Cheetham <i>et al.</i> , "Gap-43 Message Levels in Anterior Cerebellum in Alzheimer's Disease," <i>Mol. Brain Res.</i> , 36:145-151 (1996)	
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	A48	Chow <i>et al.</i> , "Altered Expression of Neurofilament-M Message in Single Neurons of Alzheimer's Disease Brain, 27 th Annual Meeting of Soc. Neuroscience, October 25-30, (1997)	
	A49	Chow <i>et al.</i> , "Expression Profiles of Multiple Genes in Single Neurons of Alzheimer's Disease," <i>Neurobiology</i> , Aug 91:165-8 (1998).	
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	A51	Citron <i>et al.</i> , "Evidence that the 42- and 40-Amino Acid Forms of Amyloid β Protein are Generated from the β -Amyloid Precursor Protein by Different Protease Activities," <i>Proc. Nat'l Acad. Sci. U.S.A.</i> , 93(23):13170-5 (1996)	
	A52	Coleman <i>et al.</i> , "Neuron Numbers and Dendritic Extent in Normal Aging and Alzheimer's Disease," <i>Neurobiol. Aging</i> , 8:521-545 (1987)	
V	A53	Coleman <i>et al.</i> , "Reduced GAP-43 Message Levels Are Associated With Increased Neurofibrillary Tangle Density in Frontal Association Cortex Area 9 in Alzheimer's Disease," <i>Neurobiol. Aging</i> , 13:631-639 (1992)	
JD	A54	Craig, "Developmental Expression of Morphoregulatory Genes in the Mouse Embryo: An Analytical Approach Using A Novel Technology," <i>Biochem. and Mol. Med.</i> , 60:81-91 (1997)	
	A55	Crino <i>et al.</i> , "Embryonic Neuronal Markers in Tuberous Sclerosis: Single-Cell Molecular Pathology," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 93(24):14452-7 (1996) Duplicate	
JD	A56	Cummings <i>et al.</i> , "Neurobiology of Aging. Cytoskeletal Neurofilament Gene Expression in Brain Tissue From Alzheimer's Disease Patients. I. Decrease in NF-L and NF-M Message," <i>J. Ger. Psyc. Neurol.</i> , 7(3): 153-8 (1996)	
JD	A57	Dahlstrand <i>et al.</i> , "Characterization of the Human Nestin Gene Reveals A Close Evolutionary Relationship to Neurofilaments," <i>J. Cell Sci.</i> , 103:589-597 (1992)	
JD	A58	Davies <i>et al.</i> , "Quantitative Analysis of the Neuronal and Synaptic Content of the Frontal and Temporal Cortex in Patients With Alzheimer's Disease," <i>J. Neurol. Sci.</i> , 78:151-164 (1987)	
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		Group Art Unit	Unassigned 1636
Examiner Name	Unassigned J. Dunston		
JD	A59	Davies <i>et al.</i> , "Reduced Somatostatin-Like Immunoreactivity in Cerebral Cortex From Cases of Alzheimer's Disease and Alzheimer Senile Dementia," <i>Nature</i> , 288(5788):279-80 (1980)	
↓	A60	Davis <i>et al.</i> , "Monoclonal Antibodies to Mitotic Cells," <i>Proc. Nat'l. Acad. Sci. U.S.A.</i> , 80:2926-2930 (1983)	
↓	A61	de la Monte <i>et al.</i> , "Aberrant GAP-43 Gene Expression in Alzheimer's Disease," <i>Am. J. Path.</i> , 147(4):934-46 (1995)	
↓	A62	DeKosky <i>et al.</i> , "Synapse Loss in Frontal Cortex Biopsies in Alzheimer's Disease: Correlation With Cognitive Severity," <i>Ann. Neurol.</i> , 27:457-464 (1990)	
↓	A63	Deng <i>et al.</i> , "Gene Expression of Alzheimer-Associated Presenilin-2 in the Frontal Cortex of Alzheimer and Aged Control Brain," <i>FEBS Lett.</i> , 394(1):17-20 (1996)	
↓	A64	Dragunow <i>et al.</i> , "In situ Evidence for DNA Fragmentation in Huntington's Disease Striatum and Alzheimer's Disease Temporal Lobes," <i>Neuroreport.</i> , 6:1053-7 (1995)	
↓	A65	Drewes <i>et al.</i> , "Microtubule-Associated Protein/Microtubule Affinity-Regulating Kinase (p110 ^{mark})", <i>J. Bio. Chem.</i> , 270:7679-7688 (1995)	
↓	A66	Drewes <i>et al.</i> , "Mitogen Activated protein (MAP) Kinase Transforms Tau Protein Into An Alzheimer-like State," <i>EMBO J.</i> , 11:2131-2138 (1992)	
JD	A67	Duguid <i>et al.</i> , "Heterogeneity of brain gene expression in Alzheimer's disease," <i>Annals New York Acad. Sci.</i> , 679:178-187 (1993)	
↓	A68	Eberwine <i>et al.</i>, "Analysis of gene expression in single live neurons," <i>Proc. Nat'l. Acad. Sci. U.S.A.</i>, Apr 1;89(7):3010-4 (1992) Duplicate Citation	
JD	A69	Enoch <i>et al.</i> , "Cellular Responses to DNA Damage: Cell Cycle Checkpoints, Apoptosis and the Roles of p53 and ATM," <i>Trends in Biochem. Sci.</i> , 20(10):426-30 (1995)	
↓	A70	Evan <i>et al.</i> , "Apoptosis and the Cell Cycle," <i>Curr. Opin. Cell Biol.</i> , 7(6):825-34 (1995)	
↓	A71	Fischer <i>et al.</i> , "Complement C1q and C3 mRNA Expression in the Frontal Cortex of Alzheimer's Patients," <i>J. Mol. Med.</i> , 73(9):465-71 (1995)	
↓	A72	Flanders <i>et al.</i> , "Altered Expression of Transforming Growth Factor-β In Alzheimer's Disease," <i>Neurology</i> , 45:1561-1569 (1995)	
↓	A73	Forloni, "Neurotoxicity of β-Amyloid and Prion Peptides," <i>Cur. Opin. Neurol.</i> , 9(6):492-500 (1996)	
↓	A74	Freeman <i>et al.</i> , "Analysis of Cell Cycle-Related Gene Expression in Postmitotic Neurons: Selective Induction of Cyclin D1 During Programmed Cell Death," <i>Neuron</i> , 12(2):343-55 (1994)	
↓	A75	Freeman, "The Cell Cycle and Neuronal Cell Death," <i>Cell Death in Diseases of the Nervous System</i> , Koliatsos, eds., Humana Press, 103-119.	
↓	A76	Games <i>et al.</i> , "Alzheimer-Type Neuropathology in Transgenic Mice Overexpressing V717F β-Amyloid Precursor Protein," <i>Nature</i> , 373(6514):523-7 (1995)	
↓	A77	Gartner <i>et al.</i> , "Induction of p21 ras in Alzheimer Pathology," <i>Neuroreport.</i> , 6:1441-4 (1995)	
↓	A78	German <i>et al.</i> , "Alzheimer's Disease: Neurofibrillary Tangles in Nuclei That Project to the Cerebral Cortex," <i>Neuroscience</i> , 21(2):305-12 (1987)	
↓	A79	Ghasemzadeh <i>et al.</i> , "Multiplicity of Glutamate Receptor Subunits in Single Striatal Neurons: An RNA Amplification Study," <i>Mol. Pharmacol.</i> , 49:852-9 (1996)	
JD	A80	Giordano, "Similarities Between β Amyloid Peptides 1-40 and 40-1: Effects on Aggregation, Toxicity in vitro, and Injection in Young and Aged Rats," <i>Exp. Neurol.</i> , 125:175-82 (1994)	
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JD	A81	Glennner <i>et al.</i> , "Alzheimer's disease: Initial Report of the Purification and Characterization of a Novel Cerebrovascular Amyloid Protein," Biochem. Biophys. Res. Comm., 120(3):885-90 (1984)		
	A82	Goedert <i>et al.</i> , "p42 Map Kinase Phosphorylation Sites in Microtubule-Associated Protein Tau are Dephosphorylated by Protein Phosphatase 2A.sub.1," FEBS., 312:95-99 (1992)		
	A83	Goedert <i>et al.</i> , "Tau Proteins of Alzheimer Paired Helical Filaments: Abnormal Phosphorylation of All Six Brain Isoforms," Neuron, 8:159-68 (1992)		
	A84	Goldman <i>et al.</i> , "Cytoskeletal Protein Abnormalities in Neurodegenerative Diseases," Ann. Neurol., 19:209-23 (1986)		
	A85	Gong <i>et al.</i> , "Alzheimer's Disease Abnormally Phosphorylated τ Is Dephosphorylated by Protein Phosphatase-2B (Calcineurin)," J. Neurochem., 62:803-806 (1994)		
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	A89	Gray <i>et al.</i> , "Alzheimer's Disease Paired Helical Filaments and Cytomembranes," Neuropathol. Appl. Neurobiol., 13:91-110 (1987)		
	A90	Greenberg <i>et al.</i> , "Amino-Terminal Region of the β -Amyloid Precursor Protein Activates Mitogen-Activated Protein Kinase," Neurosci. Lett., 198(1):52-6 (1995)		
	A91	Greenberg <i>et al.</i> , "Secreted β -Amyloid Precursor Protein Stimulates Mitogen-Activated Protein Kinase and Enhances Tau Phosphorylation," Proc. Nat'l Acad. Sci. U.S.A., 91(15):7104-8 (1994)		
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	A93	Gschwind <i>et al.</i> , "Apoptotic Cell Death Induced by β -Amyloid 1-42 Peptide is Cell Type Dependent," J. Neurochem., 65(1):292-300 (1995)		
	A94	Gustke <i>et al.</i> , "Domains of Tau Protein and Interactions with Microtubules," Biochemistry, 33(32):9511-22 (1994)		
	A95	Hamos <i>et al.</i> , "Synaptic Loss in Alzheimer's Disease and Other Dementias," Neurol., 39:355-361 (1989)		
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	A97	Harris <i>et al.</i> , "Okadaic Acid Induces Hyperphosphorylated Forms of Tau Protein in Human Brain Slices," Ann. Neurol., 33:77-87 (1993)		
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✓	A99	Harrison <i>et al.</i> , "Alzheimer's Disease: Specific Increases in a G Protein Subunit (G_{α}) mRNA in Hippocampal and Cortical Neurons," Mol. Brain Res., 10:71-81 (1991)		
JD	A100	Hartmann <i>et al.</i> , "Alzheimer's Disease β A4 Protein Release and Amyloid Precursor Protein Sorting are Regulated by Alternative Splicing," J. Bio. Chem., 27(22):13208-14 (1996)		

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INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)		Complete if Known	
		Application No.	10/821,653
		Filing Date	April 9, 2004
		First Named Inventor	Coleman <i>et al.</i>
		Group Art Unit	Unassigned 1636
		Examiner Name	Unassigned J. Dunston
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		First Named Inventor	Coleman <i>et al.</i>
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		Examiner Name	Unassigned J. Dunston
JD	A121	Kittur <i>et al.</i> , "Cytoskeletal Neurofilament Gene Expression in Brain Tissue From Alzheimer's Disease Patients. I. Decrease in NF-L and NF-M message," J. Geriatric Psychiatry & Neurol., 7:153-8 (1994)	
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		Examiner Name	Unassigned J. Dunston
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		First Named Inventor	Coleman <i>et al.</i>
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		Examiner Name	Unassigned J. Dunston
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		Examiner Name	Unassigned J. Dunston

JD	A219	Wilcock <i>et al.</i> , "Plaques, Tangles and Dementia," J. Neurol. Sci., 56:343-356 (1982); McKee, A. C. <i>et al.</i> , "Neuritic Pathology and Dementia in Alzheimer's Disease," Ann. Neurol., 30:156-165 (1991)
↓	A220	Wolozin <i>et al.</i> , "A Neuronal Antigen in the Brains of Alzheimer Patients," Science 232:648-50 (1986)
↓	A221	Wood <i>et al.</i> , "Proline-Directed Kinase Systems in Alzheimer's Disease Pathology," Neurosci. Lett., 156:83-86 (1993)
↓	A222	Yamamoto <i>et al.</i> , "Dephosphorylation of Microtubule Proteins by Brain Protein Phosphatases 1 and 2A, and its Effect on Microtubule Assembly," J. Neurochem., 50:1614-1623 (1988)
↓	A223	Yamamoto <i>et al.</i> , "Nucleus Raphe Dorsalis in Alzheimer's Disease: Neurofibrillary Tangles and Loss of Large Neurons," Ann. Neurol., 17(6):573-7 (1985)
↓	A224	Yankner <i>et al.</i> , "β-Amyloid and the Pathogenesis of Alzheimer's Disease," New Engl. J. Med., 325:1849-1857 (1991)
JD	A225	Yankner <i>et al.</i> , "Neurotoxicity of a Fragment of the Amyloid Precursor Associated with Alzheimer's Disease," Science, 245:417-20 (1989)

Examiner Signature: /Jennifer Dunston/ (01/03/2007)	Date Considered:
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)				Complete if Known			
				Application No.		10/821,653	
				Filing Date		April 9, 2004	
				First Named Inventor		Coleman <i>et al.</i>	
				Group Art Unit		1638	
				Examiner Name		Unassigned	
U.S. PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No		
NON-PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)					
	B1	Coleman, <i>et al.</i> , "Rochester Alzheimer's Disease Core Center" National Institutes of Health, Grant No. NIH 5P30 AG008665.					
	B2	Coleman, "Leadership and Excellence in Alzheimer's Disease" National Institutes of Health, Grant No. NIH 5R35 AG009016.					
	B3	Coleman, "Computer Aided Study of Dendrites in Aging Human Brain" National Institutes of Health, Grant No. NIH 5R01 AG001121.					
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Not Considered